	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	5162	hyaluronic adj acid	USPAT; EPO; JPO; Derwent	2001/01/03 09:08			0
2	BRS	L2	366218	poly(lactide-co-glycolide)	USPAT; EPO; JPO; Derwent	2001/01/03 09:09			0
3	BRS	L3	30161	polypetide or polypeptides	USPAT; EPO; JPO; Derwent	2001/01/03 09:10			0
4	BRS	L4	39	1 same 2 same 3	USPAT; EPO; JPO; Derwent	2001/01/03 09:38			0
5	BRS	L5	18767	growth adj factor	USPAT; EPO; JPO; Derwent	2001/01/03 09:33			0
6	BRS	L6	7	1 same 2 same 5	USPAT; EPO; JPO; Derwent	2001/01/03 09:33			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
7	BRS	L7	9504	growth adj hormone	USPAT; EPO; JPO; Derwent	2001/01/03 09:40			0
8	BRS	L8	0	1 same 2 same 7	USPAT; EPO; JPO; Derwent	2001/01/03 09:40			0
9	BRS	L9	200	glucagon-like adj peptide	USPAT; EPO; JPO; Derwent	2001/01/03 09:40			0
10	BRS	L10	0	1 same 2 same 9	USPAT; EPO; JPO; Derwent	2001/01/03 09:41			0
11	BRS	L11	441	injection adj vehicle	USPAT; EPO; JPO; Derwent	2001/01/03 09:44			0
12	BRS	L12	0	1 same 11	USPAT; EPO; JPO; Derwent	2001/01/03 09:44			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
13	BRS	L13	128	vehicle same 1	USPAT; EPO; JPO; Derwent	2001/01/03 09:46			0
14	BRS	L14	31	13 same injection	USPAT; EPO; JPO; Derwent	2001/01/03 09:47			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	5162	hyaluronic adj acid	USPAT; EPO; JPO; Derwent	2001/01/03 18:20			0
2	BRS	L2	366218	poly(lactide-co-glycolide)	USPAT; EPO; JPO; Derwent	2001/01/03 18:20			0
3	BRS	L3	130635	protein? or peptide?	USPAT; EPO; JPO; Derwent	2001/01/03 18:22			0
4	BRS	L4	865	1 and 2 and 3	USPAT; EPO; JPO; Derwent	2001/01/03 18:23			0
5	BRS	L5	196	1 and (2 same 3)	USPAT; EPO; JPO; Derwent	2001/01/03 18:24			0
6	BRS	L6	59	1 same (2 same 3)	USPAT; EPO; JPO; Derwent	2001/01/03 18:25			0

injection vehicle

Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:ssspta1653cmk
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

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NEWS 3	Oct 27	New Extraction Code PAX now available in Derwent Files
NEWS 4	Oct 27	SET ABBREVIATIONS and SET PLURALS extended in Derwent World Patents Index files
NEWS 5	Oct 27	Patent Assignee Code Dictionary now available in Derwent Patent Files
NEWS 6	Oct 27	Plasdoc Key Serials Dictionary and Echoing added to Derwent Subscriber Files WPIDS and WPIX
NEWS 7	Nov 29	Derwent announces further increase in updates for DWPI
NEWS 8	Dec 5	French Multi-Disciplinary Database PASCAL Now on STN
NEWS 9	Dec 5	Trademarks on STN - New DEMAS and EUMAS Files
NEWS 10	Dec 15	2001 STN Pricing
NEWS 11	Dec 17	Merged CEABA-VTB for chemical engineering and biotechnology
NEWS 12	Dec 17	Corrosion Abstracts on STN
NEWS 13	Dec 17	SYNTHLINE from Prous Science now available on STN
NEWS 14	Dec 17	The CA Lexicon available in the CAPLUS and CA files

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NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 10:56:11 ON 03 JAN 2001

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION

FULL ESTIMATED COST 0.15 0.15

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STRUCTURE FILE UPDATES: 2 JAN 2001 HIGHEST RN 312580-50-0
DICTIONARY FILE UPDATES: 2 JAN 2001 HIGHEST RN 312580-50-0

TSCA INFORMATION NOW CURRENT THROUGH July 8, 2000

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=> e "poly(lactide-co-glycolide)"/cn

E1	1		POLY(LACTIC ACID), SRU/CN
E2	1		POLY(LACTIC ACID-GLYCOLIC ACID)/CN
E3	1	-->	POLY(LACTIDE-CO-GLYCOLIDE)/CN
E4	1		POLY(LANTHANUM STYRENESULFONATE)/CN
E5	1		POLY(LAUROLACTAM)/CN
E6	1		POLY(LAURUSIN PHOSPHATE)/CN
E7	1		POLY(LAURYL ACRYLATE)/CN
E8	1		POLY(LAURYL FUMARATE)/CN
E9	1		POLY(LAURYL LACTAM)/CN
E10	1		POLY(LAURYL MALEATE)/CN
E11	1		POLY(LAURYL METHACRYLATE)/CN
E12	1		POLY(LAURYLAMINE ACRYLATE)/CN

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.24	1.39

FILE 'CAPLUS' ENTERED AT 10:58:58 ON 03 JAN 2001
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FILE COVERS 1967 - 3 Jan 2001 VOL 134 ISS 2
FILE LAST UPDATED: 2 Jan 2001 (20010102/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGlstRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

Now you can extend your author, patent assignee, patent information, and title searches back to 1907. The records from 1907-1966 now have this searchable data in CAOLD. You now have electronic access to all of CA: 1907 to 1966 in CAOLD and 1967 to the present in CAPLUS on STN.

The CA Lexicon is now [redacted]ilable in the Controlled Term [redacted]T) field.
Enter HELP LEXICON for full details.


```
=> s e3

 REGlstRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.



L2          1436 L1

=> s hyaluronic acid

            7976 HYALURONIC
               1 HYALURONICS
            7976 HYALURONIC
                   (HYALURONIC OR HYALURONICS)
         2503140 ACID
         1018532 ACIDS
         2865898 ACID
                   (ACID OR ACIDS)
L3          7956 HYALURONIC ACID
                   (HYALURONIC(W)ACID)

=> s polypeptide#

L4        103403 POLYPEPTIDE#

=> s l2 (p) l3 (p) l4

L5             0 L2 (P) L3 (P) L4

=> d his


     (FILE 'HOME' ENTERED AT 10:56:11 ON 03 JAN 2001)

     FILE 'REGISTRY' ENTERED AT 10:56:41 ON 03 JAN 2001
               E "POLY(LACTIDE-CO-GLYCOLIDE)"/CN

     FILE 'CAPLUS' ENTERED AT 10:58:58 ON 03 JAN 2001
               S E3

     FILE 'REGISTRY' ENTERED AT 10:59:13 ON 03 JAN 2001
L1             1 S E3/CN

     FILE 'CAPLUS' ENTERED AT 10:59:14 ON 03 JAN 2001
L2          1436 S L1
L3          7956 S HYALURONIC ACID
L4        103403 S POLYPEPTIDE#
L5             0 S L2 (P) L3 (P) L4
```

FULL ESTIMATED COST 0.15 0.15

FILE 'CAPLUS' ENTERED AT 10:14:46 ON 03 JAN 2001
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FILE 'SCISEARCH' ENTERED AT 10:14:46 ON 03 JAN 2001
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=> s hyaluronic acid

L1 33569 HYALURONIC ACID

=> s poly(lactide-co-glycolide) or poly(glycolic acid) or poly(lactic acid)

MISSING OPERATOR 'POLY(LACTIDE-CO'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s poly(lactide-glycolide)

MISSING OPERATOR 'POLY(LACTIDE-GL'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s poly(lactide glycolide) or poly(glycolic acid) or poly(lactic acid)

MISSING OPERATOR 'POLY(LACTIDE'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s poly(lactide) or poly(glycolide) or poly(glycolic acid) or poly(lactic acid)

MISSING OPERATOR 'POLY(LACTIDE'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s polylactide or polyglycolide or poly(glycolic acid) or poly(lactic acid)

MISSING OPERATOR 'POLY(GLYCOLIC'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s poly (w)lactide (w) glycolide

L2 171 POLY (W) LACTIDE (W) GLYCOLIDE

=> s poly (w) lactic (w) acid

L3 3153 POLY (W) LACTIC (W) ACID

=> s poly (w) glycolic (w) acid

L4 936 POLY (W) GLYCOLIC (W) ACID

```
=> s poly (w) lactide      co (w) glycolide

L5          1308 POLY (W) LACTIDE (W) CO (W) GLYCOLIDE

=> s growth factor or growth hormone or glucagon-like peptide

   4 FILES SEARCHED...
L6       761087 GROWTH FACTOR OR GROWTH HORMONE OR GLUCAGON-LIKE PEPTIDE

=> d his


     (FILE 'HOME' ENTERED AT 10:14:16 ON 03 JAN 2001)

     FILE 'CAPLUS, MEDLINE, EMBASE, BIOSIS, SCISEARCH' ENTERED AT 10:14:46 ON
     03 JAN 2001
L1         33569 S HYALURONIC ACID
L2           171 S POLY (W)LACTIDE (W) GLYCOLIDE
L3          3153 S POLY (W) LACTIC (W) ACID
L4           936 S POLY (W) GLYCOLIC (W) ACID
L5          1308 S POLY (W) LACTIDE (W) CO (W) GLYCOLIDE
L6        761087 S GROWTH FACTOR OR GROWTH HORMONE OR GLUCAGON-LIKE PEPTIDE

=> s l1 (p) l6 (p) (l2 or l3 or l4 or l5)

L7             0 L1 (P) L6 (P) (L2 OR L3 OR L4 OR L5)

=> s l1 (p) l2 (p) l6

L8             0 L1 (P) L2 (P) L6

=> s l1 (p) l5 (p) l6

L9             0 L1 (P) L5 (P) L6

=> s polypeptide#

L10       392773 POLYPEPTIDE#

=> s l1 (p) (l2 or l3 or l4 or l5) (p) l10

L11            0 L1 (P) (L2 OR L3 OR L4 OR L5) (P) L10

=> s polylacide or polyglycolide

L12         1310 POLYLACIDE OR POLYGLYCOLIDE

=> s l1 (p) l10 (p) l12

L13            0 L1 (P) L10 (P) L12

=> log y

COST IN U.S. DOLLARS

                                                SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                72.56      72.71

STN INTERNATIONAL LOGOFF AT 10:45:29 ON 03 JAN 2001
```

injection vehicle

Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:ssspta1653cmk
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 4	Oct 27	SET ABBREVIATIONS and SET PLURALS extended in Derwent World Patents Index files
NEWS 5	Oct 27	Patent Assignee Code Dictionary now available in Derwent Patent Files
NEWS 6	Oct 27	Plasdoc Key Serials Dictionary and Echoing added to Derwent Subscriber Files WPIDS and WPIX
NEWS 7	Nov 29	Derwent announces further increase in updates for DWPI
NEWS 8	Dec 5	French Multi-Disciplinary Database PASCAL Now on STN
NEWS 9	Dec 5	Trademarks on STN - New DEMAS and EUMAS Files
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NEWS 11	Dec 17	Merged CEABA-VTB for chemical engineering and biotechnology
NEWS 12	Dec 17	Corrosion Abstracts on STN
NEWS 13	Dec 17	SYNTHLINE from Prous Science now available on STN
NEWS 14	Dec 17	The CA Lexicon available in the CAPLUS and CA files

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NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
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FILE 'HOME' ENTERED AT 13:41:31 ON 03 JAN 2001

=> file registry

COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST 0.15 0.15

FILE 'REGISTRY' ENTERED AT 13:41:42 ON 03 JAN 2001
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DICTIONARY FILE UPDATES: 2 JAN 2001 HIGHEST RN 312580-50-0

TSCA INFORMATION NOW CURRENT THROUGH July 8, 2000

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=> e "poly(lactide-co-glycolide)"/cn

```
E1            1   POLY(LACTIC ACID), SRU/CN
E2            1   POLY(LACTIC ACID-GLYCOLIC ACID)/CN
E3            1 --> POLY(LACTIDE-CO-GLYCOLIDE)/CN
E4            1   POLY(LANTHANUM STYRENESULFONATE)/CN
E5            1   POLY(LAUROLACTAM)/CN
E6            1   POLY(LAURUSIN PHOSPHATE)/CN
E7            1   POLY(LAURYL ACRYLATE)/CN
E8            1   POLY(LAURYL FUMARATE)/CN
E9            1   POLY(LAURYL LACTAM)/CN
E10           1   POLY(LAURYL MALEATE)/CN
E11           1   POLY(LAURYL METHACRYLATE)/CN
E12           1   POLY(LAURYLAMINE ACRYLATE)/CN
```

=> s "poly(glycolide)"/cn

```
L1            0 "POLY(GLYCOLIDE)"/CN
```

=> e "poly(glycolide"/cn

```
E1            1   POLY(GLYCOLIC ACID-CO-L-LACTIC ACID)/CN
E2            1   POLY(GLYCOLIC ACID-LACTIC ACID)/CN
E3            0 --> POLY(GLYCOLIDE/CN
E4            1   POLY(GLYCOLIDE-CO-L-LACTIDE)/CN
E5            1   POLY(GLYCOLIDE-CO-LACTIDE)/CN
E6            1   POLY(GLYCOLIDE-L-LACTIDE)/CN
E7            1   POLY(GLYCOLIDE-LACTIDE)/CN
E8            1   POLY(GLYCYL)/CN
E9            1   POLY(GLYCYL-.EPSILON.-AMINOCAPROIC ACID)/CN
E10           1   POLY(GLYCYL-.GAMMA.-METHYL-L-GLUTAMYLGLYCYL)/CN
E11           1   POLY(GLYCYL-GLYCYL-L-PROLYL-GLYCYL)/CN
E12           1   POLY(GLYCYL-L-ALANYL-L-ARGINYL)/CN
```

=> s e1 e2 e3 e4 e5 e6 e7

EXCEEDS MAXIMUM FIELD LENGTH, WILL BE SEARCHED AS 'POLY(GLYCOLIC ACID-CO-L-LACTIC ACID)"/CN "POLY(GLYCOLIC ACID-LACTIC ACID)"/CN "POLY(GLYCOLIDE"/CN "POLY(GLYCOLIDE-CO-L-LACTIDE)"/CN "POLY(GLYCOLIDE-CO-LACTIDE)"/CN "POLY(GLYCOLIDE-L-LACTIDE)"/CN "POLY/CN'
L2 0 "POLY(GLYCOLIC ACID-CO-L-LACTIC ACID)"/CN "POLY(GLYCOLIC ACID-LA
CTIC ACID)"/CN "POLY(GLYCOLIDE"/CN "POLY(GLYCOLIDE-CO-L-LACTIDE)
"/CN "POLY(GLYCOLIDE-CO-LACTIDE)"/CN "POLY(GLYCOLIDE-L-LACTIDE)"

/CN "POLY(GLYCOLIDE-LACTIDE)"/CN

=> file caplus

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.39	10.54

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FILE COVERS 1967 - 3 Jan 2001 VOL 134 ISS 2
FILE LAST UPDATED: 2 Jan 2001 (20010102/ED)

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=> s e1

REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L4 154 L3

=> s e2

REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L6 1052 L5

=> s e3

REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L8 0 L7

=> s e4

REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L10 183 L9

=> s e5

REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L12 1436 L11

=> s e6

REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L14 183 L13

=> s e7

REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

```
L16        1436 L15

=> d his


     (FILE 'HOME' ENTERED AT 13:41:31 ON 03 JAN 2001)

     FILE 'REGISTRY' ENTERED AT 13:41:42 ON 03 JAN 2001
                E "POLY(LACTIDE-CO-GLYCOLIDE)"/CN
L1            0 S "POLY(GLYCOLIDE)"/CN
                E "POLY(GLYCOLIDE"/CN
L2            0 S E1 E2 E3 E4 E5 E6 E7

     FILE 'CAPLUS' ENTERED AT 13:46:56 ON 03 JAN 2001
                S E1

     FILE 'REGISTRY' ENTERED AT 13:47:27 ON 03 JAN 2001
L3            1 S E1/CN

     FILE 'CAPLUS' ENTERED AT 13:47:28 ON 03 JAN 2001
L4          154 S L3
                S E2

     FILE 'REGISTRY' ENTERED AT 13:47:45 ON 03 JAN 2001
L5            1 S E2/CN

     FILE 'CAPLUS' ENTERED AT 13:47:45 ON 03 JAN 2001
L6         1052 S L5
                S E3

     FILE 'REGISTRY' ENTERED AT 13:48:08 ON 03 JAN 2001
L7            0 S E3/CN

     FILE 'CAPLUS' ENTERED AT 13:48:08 ON 03 JAN 2001
L8            0 S L7
                S E4

     FILE 'REGISTRY' ENTERED AT 13:48:21 ON 03 JAN 2001
L9            1 S E4/CN

     FILE 'CAPLUS' ENTERED AT 13:48:22 ON 03 JAN 2001
L10         183 S L9
                S E5

     FILE 'REGISTRY' ENTERED AT 13:48:32 ON 03 JAN 2001
L11           1 S E5/CN

     FILE 'CAPLUS' ENTERED AT 13:48:32 ON 03 JAN 2001
L12        1436 S L11
                S E6

     FILE 'REGISTRY' ENTERED AT 13:48:41 ON 03 JAN 2001
L13           1 S E6/CN

     FILE 'CAPLUS' ENTERED AT 13:48:43 ON 03 JAN 2001
L14         183 S L13
                S E7

     FILE 'REGISTRY' ENTERED AT 13:48:51 ON 03 JAN 2001
L15           1 S E7/CN
```

FILE 'CAPLUS' ENTERED AT 13:48:51 ON 03 JAN 2001

L16 1436 S L15

=> s l4 or l6 or l8 or l10 or l12 or l14

L17 2670 L4 OR L6 OR L8 OR L10 OR L12 OR L14

=> s hyaluronic acid

7976 HYALURONIC
1 HYALURONICS
7976 HYALURONIC
(HYALURONIC OR HYALURONICS)
2503140 ACID
1018532 ACIDS
2865898 ACID
(ACID OR ACIDS)
L18 7956 HYALURONIC ACID
(HYALURONIC(W)ACID)

=> s polypeptide#

L19 103403 POLYPEPTIDE#

=> s l17 (p) l18 (p) l19

L20 0 L17 (P) L18 (P) L19

=> s l17 (p) l18

L21 2 L17 (P) L18

=> d l21 1-2 ibib abs

L21 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1999:96143 CAPLUS
DOCUMENT NUMBER: 130:158450
TITLE: Use of hyaluronic acid derivatives in the preparation of biomaterials with a physical hemostatic and plugging activity and a preventive activity in the formation of adhesions following anastomosis
INVENTOR(S): Rivarossa, Alberto; Pressato, Daniele
PATENT ASSIGNEE(S): Fidia Advanced Biopolymers, S.R.L., Italy
SOURCE: PCT Int. Appl., 60 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9904828	A2	19990204	WO 1998-EP4716	19980728
WO 9904828	A3	19990610		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9892555 A1 19990216 AU 1998-92555 19980728
EP 999859 [redacted] 20000517 EP 1998-945[redacted] 19980728
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI
PRIORITY APPLN. INFO.: IT 1997-PD170 19970728
WO 1998-EP4716 19980728

AB Polysaccharide derivs. are used for the prepn. of biocompatible and biodegradable biomaterials with absorbent properties for body fluids and phys. hemostatic activity. They are used in both venous and arterial vascular anastomoses and to prevent the formation of post-surgical adherence of the vessels with the surrounding tissues scar formation. Autocrosslinked derivs. of hyaluronic acid in the form of a 5% gel was prepd. Rats underwent venous anastomosis in hind limbs and the veins were cover with above gels. The mean bleeding time was reduced and less fibrosis and reduced formation of scar tissue around the treated vessels was obsd.

L21 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1993:567841 CAPLUS
DOCUMENT NUMBER: 119:167841
TITLE: Non-woven fabric material comprising hyaluronic acid derivatives in surgery
INVENTOR(S): Dorigatti, Franco; Callegaro, Lanfranco; Romeo, Aurelio
PATENT ASSIGNEE(S): M.U.R.S.T., Italy
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9311803	A1	19930624	WO 1992-EP2957	19921218
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
AU 9333466	A1	19930719	AU 1993-33466	19921218
AU 669147	B2	19960530		
EP 618817	A1	19941012	EP 1993-902120	19921218
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
HU 68680	A2	19950728	HU 1994-1837	19921218
HU 216804	B	19990830		
RU 2133127	C1	19990720	RU 1994-31562	19921218
RO 115017	B1	19991029	RO 1994-1047	19921218
FI 9402894	A	19940818	FI 1994-2894	19940616
NO 9402330	A	19940817	NO 1994-2330	19940617

PRIORITY APPLN. INFO.: IT 1991-PD229 19911218
WO 1992-EP2957 19921218

AB Biomaterials are disclosed which are comprised of biodegradable, biocompatible, and bioabsorbable nonwoven fabric materials. The nonwoven fabric materials are comprised of threads imbedded in a matrix; both matrix and threads can be comprised of hyaluronic acid esters, singly or in combination with esters of alginic acid or other polymers. The fabric can be used for treating skin pathol., surgery, etc. Prepn. of a variety of hyaluronic acid esters is described, as is manuf. of the fabric. A nonwoven fabric of hyaluronic acid benzyl ester was impregnated with vancomycin.

```
=> file medline embase biosis scisearch

COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      12.92      54.54

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -1.18      -1.18

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=> s l20

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L22           0 L20

=> d his


     (FILE 'HOME' ENTERED AT 13:41:31 ON 03 JAN 2001)

     FILE 'REGISTRY' ENTERED AT 13:41:42 ON 03 JAN 2001
                 E "POLY(LACTIDE-CO-GLYCOLIDE)"/CN
L1               0 S "POLY(GLYCOLIDE)"/CN
                 E "POLY(GLYCOLIDE"/CN
L2               0 S E1 E2 E3 E4 E5 E6 E7

     FILE 'CAPLUS' ENTERED AT 13:46:56 ON 03 JAN 2001
                 S E1

     FILE 'REGISTRY' ENTERED AT 13:47:27 ON 03 JAN 2001
L3               1 S E1/CN

     FILE 'CAPLUS' ENTERED AT 13:47:28 ON 03 JAN 2001
L4             154 S L3
                 S E2

     FILE 'REGISTRY' ENTERED AT 13:47:45 ON 03 JAN 2001
L5               1 S E2/CN

     FILE 'CAPLUS' ENTERED AT 13:47:45 ON 03 JAN 2001
L6            1052 S L5
                 S E3

     FILE 'REGISTRY' ENTERED AT 13:48:08 ON 03 JAN 2001
L7               0 S E3/CN

     FILE 'CAPLUS' ENTERED AT 13:48:08 ON 03 JAN 2001
L8               0 S L7
                 S E4

     FILE 'REGISTRY' ENTERED AT 13:48:21 ON 03 JAN 2001
L9               1 S E4/CN
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     FILE 'CAPLUS' ENTERED AT 13:48:22 ON 03 JAN 2001
L10           183 S L9
                  S E5

     FILE 'REGISTRY' ENTERED AT 13:48:32 ON 03 JAN 2001
L11             1 S E5/CN

     FILE 'CAPLUS' ENTERED AT 13:48:32 ON 03 JAN 2001
L12          1436 S L11
                  S E6

     FILE 'REGISTRY' ENTERED AT 13:48:41 ON 03 JAN 2001
L13             1 S E6/CN

     FILE 'CAPLUS' ENTERED AT 13:48:43 ON 03 JAN 2001
L14           183 S L13
                  S E7

     FILE 'REGISTRY' ENTERED AT 13:48:51 ON 03 JAN 2001
L15             1 S E7/CN

     FILE 'CAPLUS' ENTERED AT 13:48:51 ON 03 JAN 2001
L16          1436 S L15
L17          2670 S L4 OR L6 OR L8 OR L10 OR L12 OR L14
L18          7956 S HYALURONIC ACID
L19        103403 S POLYPEPTIDE#
L20             0 S L17 (P) L18 (P) L19
L21             2 S L17 (P) L18

     FILE 'MEDLINE, EMBASE, BIOSIS, SCISEARCH' ENTERED AT 13:56:08 ON 03 JAN
     2001
L22             0 S L20

=> s l21

'CN' IS NOT A VALID FIELD CODE
L23             0 L21

=> s l4 or l6 or l8 or l10 or l12 or l14

'CN' IS NOT A VALID FIELD CODE
L24          2805 L4 OR L6 OR L8 OR L10 OR L12 OR L14

=> s l24 (p) l18

L25             0 L24 (P) L18

=> file registry

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     6.98      61.52

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -1.18

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DICTIONARY FILE UPDATES:   2 JAN 2001  HIGHEST RN 312580-50-0
```

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Structure search limits have been increased. See HELP SLIMIT for details.

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=> e "poly(lactide-co-glycotide)"/cn

E1            1      POLY(LACTIC ACID-GLYCOLIC ACID)/CN
E2            1      POLY(LACTIDE-CO-GLYCOLIDE)/CN
E3            0 --> POLY(LACTIDE-CO-GLYCOTIDE)/CN
E4            1      POLY(LANTHANUM STYRENESULFONATE)/CN
E5            1      POLY(LAUROLACTAM)/CN
E6            1      POLY(LAURUSIN PHOSPHATE)/CN
E7            1      POLY(LAURYL ACRYLATE)/CN
E8            1      POLY(LAURYL FUMARATE)/CN
E9            1      POLY(LAURYL LACTAM)/CN
E10           1      POLY(LAURYL MALEATE)/CN
E11           1      POLY(LAURYL METHACRYLATE)/CN
E12           1      POLY(LAURYLAMINE ACRYLATE)/CN

=> e "poly(lactide-coglycolide"/cn

E1            1      POLY(LACTIC ACID-GLYCOLIC ACID)/CN
E2            1      POLY(LACTIDE-CO-GLYCOLIDE)/CN
E3            0 --> POLY(LACTIDE-COGLYCOLIDE/CN
E4            1      POLY(LANTHANUM STYRENESULFONATE)/CN
E5            1      POLY(LAUROLACTAM)/CN
E6            1      POLY(LAURUSIN PHOSPHATE)/CN
E7            1      POLY(LAURYL ACRYLATE)/CN
E8            1      POLY(LAURYL FUMARATE)/CN
E9            1      POLY(LAURYL LACTAM)/CN
E10           1      POLY(LAURYL MALEATE)/CN
E11           1      POLY(LAURYL METHACRYLATE)/CN
E12           1      POLY(LAURYLAMINE ACRYLATE)/CN

=> e "poly(lactide-co-glycolide)"/cn

E1            1      POLY(LACTIC ACID), SRU/CN
E2            1      POLY(LACTIC ACID-GLYCOLIC ACID)/CN
E3            1 --> POLY(LACTIDE-CO-GLYCOLIDE)/CN
E4            1      POLY(LANTHANUM STYRENESULFONATE)/CN
E5            1      POLY(LAUROLACTAM)/CN
E6            1      POLY(LAURUSIN PHOSPHATE)/CN
E7            1      POLY(LAURYL ACRYLATE)/CN
E8            1      POLY(LAURYL FUMARATE)/CN
E9            1      POLY(LAURYL LACTAM)/CN
E10           1      POLY(LAURYL MALEATE)/CN
E11           1      POLY(LAURYL METHACRYLATE)/CN
E12           1      POLY(LAURYLAMINE ACRYLATE)/CN

=> file caplus

COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                               2.17      63.69

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -1.18
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FILE COVERS 1967 - 3 Jan 2001 VOL 134 ISS 2
FILE LAST UPDATED: 2 Jan 2001 (20010102/ED)

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=> s e1 e2 e3

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L27 2985 L26

REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
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MISSING OPERATOR
=>
=> s e1

REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L29 2985 L28

=> s e2

REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L31 1052 L30

=> s e3

REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L33 1436 L32

=> s l29 or l31 or l33

L34 4680 L29 OR L31 OR L33

=> s hyaluronic acid

```
          7976 HYALURONIC
             1 HYALURONICS
          7976 HYALURONIC
                 (HYALURONIC OR HYALURONICS)
       2503140 ACID
       1018532 ACIDS
       2865898 ACID
                 (ACID OR ACIDS)
L35       7956 HYALURONIC ACID
                 (HYALURONIC(W)ACID)
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=> s l35 (p) l34

L36 2 L35 (P) L34

=> d l36 1-2 ibib abs

L36 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1999:96143 CAPLUS
DOCUMENT NUMBER: 130:158450
TITLE: Use of hyaluronic acid derivatives in the preparation of biomaterials with a physical hemostatic and plugging activity and a preventive activity in the formation of adhesions following anastomosis

INVENTOR(S): Rivarossa, Alberto; Pressato, [redacted]iele
PATENT ASSIGNEE(S): Fidia Advanced Biopolymers, S.[redacted]., Italy
SOURCE: PCT Int. Appl., 60 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9904828	A2	19990204	WO 1998-EP4716	19980728
WO 9904828	A3	19990610		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 9892555	A1	19990216	AU 1998-92555	19980728
EP 999859	A2	20000517	EP 1998-945104	19980728

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

PRIORITY APPLN. INFO.: IT 1997-PD170 19970728
WO 1998-EP4716 19980728

AB Polysaccharide derivs. are used for the prepn. of biocompatible and biodegradable biomaterials with absorbent properties for body fluids and phys. hemostatic activity. They are used in both venous and arterial vascular anastomoses and to prevent the formation of post-surgical adherence of the vessels with the surrounding tissues scar formation. Autocrosslinked derivs. of hyaluronic acid in the form of a 5% gel was prepd. Rats underwent venous anastomosis in hind limbs and the veins were cover with above gels. The mean bleeding time was reduced and less fibrosis and reduced formation of scar tissue around the treated vessels was obsd.

L36 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1993:567841 CAPLUS
DOCUMENT NUMBER: 119:167841
TITLE: Non-woven fabric material comprising hyaluronic acid derivatives in surgery
INVENTOR(S): Dorigatti, Franco; Callegaro, Lanfranco; Romeo, Aurelio
PATENT ASSIGNEE(S): M.U.R.S.T., Italy
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9311803	A1	19930624	WO 1992-EP2957	19921218

W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, US
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG

AU 9333466	A1	19930719	AU 1993-33466	19921218
AU 669147	B2	19960530		
EP 618817	A1	19941012	EP 1993-902120	19921218

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

HU 68680	A2	19950728	HU 1994-1837	19921218
HU 216804	B	19990830		
RU 2133127	C1	19990720	RU 1994-31562	19921218
RO 115017	B1	19991029	RO 1994-1047	19921218
FI 9402894	A	19940818	FI 1994-2894	19940616
NO 9402330	A	19940817	NO 1994-2330	19940617
PRIORITY APPLN. INFO.:			IT 1991-PD229	19911218
			WO 1992-EP2957	19921218

AB Biomaterials are disclosed which are comprised of biodegradable, biocompatible, and bioabsorbable nonwoven fabric materials. The nonwoven fabric materials are comprised of threads imbedded in a matrix; both matrix and threads can be comprised of hyaluronic acid esters, singly or in combination with esters of alginic acid or other polymers. The fabric can be used for treating skin pathol., surgery, etc. Prepn. of a variety of hyaluronic acid esters is described, as is manuf. of the fabric. A nonwoven fabric of hyaluronic acid benzyl ester was impregnated with vancomycin.

=> file medline biosis embase scisearch

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.41	91.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.18	-2.36

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=> s l34 (p) l35

'CN' IS NOT A VALID FIELD CODE
L37 0 L34 (P) L35

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.30	94.80

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.36

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FILE COVERS 1967 - 3 Jan 2001 VOL 134 ISS 2
FILE LAST UPDATED: 2 Jan 2001 (20010102/ED)

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The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

=> s l34 and l35

L38 103 L34 AND L35

=> s l38 and vehicle

41891 VEHICLE
24145 VEHICLES
57969 VEHICLE
(VEHICLE OR VEHICLES)
L39 10 L38 AND VEHICLE

=> d l39 1-10 ibib abs

L39 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1999:224194 CAPLUS
DOCUMENT NUMBER: 130:247062
TITLE: Methods and compositions for reducing or preventing post-surgical adhesion formation using ketotifen and analogs thereof
INVENTOR(S): Rodgers, Kathleen Elizabeth; Dizerega, Gere Stodder
PATENT ASSIGNEE(S): University of Southern California University Park Campus, USA
SOURCE: U.S., 11 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5891460	A	19990406	US 1995-472299	19950607

AB Compns. and methods are provided for minimizing or preventing post-surgical adhesion formation between tissue, e.g., organ, surfaces in

body cavities, whereby an effective therapeutic amt. of anti-asthmatic ketotifen [4-1-(1-methyl-4-piperidyliden-4H-benzo[4,5]cyclohepta[1,2-b] thiophene-10-(9H)-one, hydrogen fumarate salt] thereof is administered to the target injury site for a period of time sufficient to permit tissue repair. Ketotifen, or an analog thereof, is preferably administered in conjunction with a delivery **vehicle** (e.g., microcapsules, microspheres, biodegradable polymer films, lipid-based delivery systems such as liposomes and lipid foams, crystalloid and viscous instillates and absorbable mech. barriers) useful for maintaining local concns. of the inhibitor at the injury site at an effective level for a sustained period of time.

REFERENCE COUNT: 57
REFERENCE(S):
(1) Adams; US 5140047 1992 CAPLUS
(2) Allen; US 4708964 1987 CAPLUS
(3) Anon; EP 0146348 A2 1985 CAPLUS
(4) Anon; WO 9210190 1992 CAPLUS
(5) Anon; EP 0581464 A1 1994 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L39 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1999:21715 CAPLUS
DOCUMENT NUMBER: 130:100712
TITLE: Bioresorbable compositions for implantable prostheses
INVENTOR(S): Loomis, Gary L.
PATENT ASSIGNEE(S): Meadox Medicals, Inc., USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5854382	A	19981229	US 1997-914130	19970818
WO 9908718	A2	19990225	WO 1998-US16933	19980814
WO 9908718	A3	19990520		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1019096	A2	20000719	EP 1998-938491	19980814
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 6005020	A	19991221	US 1998-145588	19980902
US 6028164	A	20000222	US 1999-243379	19990201
PRIORITY APPLN. INFO.:			US 1997-914130	19970818
			WO 1998-US16933	19980814
			US 1998-145588	19980902

AB Crosslinked compns. formed from a water-insol. copolymer are disclosed. These compns. are copolymers having a bioresorbable region, a hydrophilic region and at least two crosslinkable functional groups per polymer chain.
These compns. are able to form hydrogels in aq. environments when crosslinked. These hydrogels are good sealants for implantable prostheses
when in contact with an aq. environment. In addn., such hydrogels can be used as delivery **vehicles** for therapeutic agents. An aq. emulsion was prepd. by dispersing ethylene oxide-propylene oxide-lactide

block copolymer acrylate and Vazo 044. A knitted polyester medical fabric was impregnated by immersing it in the above emulsion and dried to give a porous coating.

REFERENCE COUNT: 22
REFERENCE(S): (2) Anon; EP 0271216 1988 CAPLUS
(3) Anon; EP 0486294 A2 1992 CAPLUS
(4) Anon; WO 9209311 1992 CAPLUS
(5) Anon; WO 9501190 1995 CAPLUS
(6) Casey; US 4438253 1984 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L39 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1998:207280 CAPLUS
DOCUMENT NUMBER: 128:275101
TITLE: Gas and gaseous precursor filled microspheres as topical and subcutaneous delivery **vehicles**
INVENTOR(S): Unger, Evan C.; Matsunaga, Terry O.; Yellowhair, David
PATENT ASSIGNEE(S): Imarx Pharmaceutical Corp., USA
SOURCE: U.S., 40 pp. Cont.-in-part of U.S. Ser. No. 307,305.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 19
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5733572	A	19980331	US 1994-346426	19941129
US 5088499	A	19920218	US 1990-569828	19900820
WO 9109629	A1	19910711	WO 1990-US7500	19901219
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
JP 05502675	T2	19930513	JP 1991-503276	19901219
AT 180170	E	19990615	AT 1991-902857	19901219
ES 2131051	T3	19990716	ES 1991-902857	19901219
US 5228446	A	19930720	US 1991-717084	19910618
WO 9222247	A1	19921223	WO 1992-US2615	19920331
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
AU 9220020	A1	19930112	AU 1992-20020	19920331
AU 667471	B2	19960328		
JP 06508364	T2	19940922	JP 1992-500847	19920331
EP 616508	A1	19940928	EP 1992-912456	19920331
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
US 5469854	A	19951128	US 1993-76239	19930611
US 5580575	A	19961203	US 1993-76250	19930611
US 5348016	A	19940920	US 1993-88268	19930707
US 5542935	A	19960806	US 1993-160232	19931130
US 5585112	A	19961217	US 1993-159687	19931130
US 5769080	A	19980623	US 1994-199462	19940222
WO 9428874	A1	19941222	WO 1994-US5633	19940519
W: AU, CA, CN, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5773024	A	19980630	US 1994-307305	19940916
CA 2177713	AA	19950608	CA 1994-2177713	19941130
JP 09506098	T2	19970617	JP 1994-515763	19941130
US 5571497	A	19961105	US 1995-468056	19950606
CN 1180310	A	19980429	CN 1996-193069	19960327
US 6001335	A	19991214	US 1996-665719	19960618
US 5935553	A	19990810	US 1996-758179	19961125
US 5985246	A	19991116	US 1997-888426	19970708
AU 713127	B2	19991125	AU 1998-56271	19980224

AU 9856271	A1	19980507		
AU 9888405	[redacted]	19981203	AU 1998-88405	19981012
AU 9910043	A1	19990304	AU 1999-10043	19990104
PRIORITY APPLN. INFO.:			US 1989-455707	19891222
			US 1990-569828	19900820
			US 1991-716899	19910618
			US 1991-717084	19910618
			US 1993-76239	19930611
			US 1993-76250	19930611
			US 1993-159674	19931130
			US 1993-159687	19931130
			US 1993-160232	19931130
			US 1994-307305	19940916
			WO 1990-US7500	19901219
			US 1991-750877	19910826
			US 1992-818069	19920108
			WO 1992-US2615	19920331
			US 1992-967974	19921027
			US 1993-17683	19930212
			US 1993-18112	19930217
			US 1993-85608	19930630
			US 1993-88268	19930707
			US 1993-309305	19931130
			US 1993-163039	19931206
			US 1994-212553	19940311
			AU 1994-70416	19940519
			US 1994-346426	19941129
			AU 1995-21850	19941130
			WO 1994-US13817	19941130
			US 1995-395683	19950228
			US 1995-468056	19950606
			US 1995-471250	19950606
			US 1996-665719	19960618

AB Gas and gaseous precursor filled microspheres, and foams provide novel topical and s.c. delivery **vehicles** for various active ingredients, including drugs and cosmetics. Gas and gaseous precursor filled microcapsules were prepd. from dipalmitoylphosphatidylcholine.

L39 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1997:411013 CAPLUS
DOCUMENT NUMBER: 127:86115
TITLE: Method for reducing or preventing post-surgical adhesion formation using manoalide and analogs thereof
INVENTOR(S): Rodgers, Kathleen Elizabeth; Dizerega, Gere Stodder
PATENT ASSIGNEE(S): University of Southern California, USA
SOURCE: U.S., 11 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5639468	A	19970617	US 1995-479678	19950607

AB Compns. and methods for minimizing or preventing post-surgical adhesion formation between tissue, e.g., organ, surfaces in body cavities, whereby an effective therapeutic amt. of manoalide or analog thereof is administered to the target injury site for a period of time sufficient to permit tissue repair. Manoalide or analog thereof is preferably administered in conjunction with a delivery **vehicle** (e.g., microcapsules, microspheres, biodegradable polymer films, lipid-based delivery systems such as liposomes and lipid foams, crystalloid and

viscous instillates and absorbable mech. barriers) useful for maintaining local concns. of the inhibitor at the injury site at an effective level for a sustained period of time. Manoalide was shown to reduce the incidence of peritoneal adhesion in rabbits when delivered to the site at a rate of 10 .mu.L/h and concn. of 0.1 and 1 .mu.g/mL.

L39 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1997:134856 CAPLUS
DOCUMENT NUMBER: 126:148514
TITLE: Method for reducing or preventing post-surgical adhesion formation using 5-lipoxygenase inhibitors
INVENTOR(S): Rodgers, Kathleen Elizabeth; Dizerega, Gere Stodder
PATENT ASSIGNEE(S): University of Southern California, USA
SOURCE: PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9640090	A1	19961219	WO 1996-US8216	19960531
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2223590	AA	19961219	CA 1996-2223590	19960531
AU 9658857	A1	19961230	AU 1996-58857	19960531
AU 698619	B2	19981105		
EP 831796	A1	19980401	EP 1996-920600	19960531
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 11507038	T2	19990622	JP 1996-500915	19960531
PRIORITY APPLN. INFO.:			US 1995-473183	19950607
			WO 1996-US8216	19960531

AB Compns. and methods for minimizing or preventing formation of post-surgical adhesion comprise therapeutic amt. of at least one 5-lipoxygenase inhibitor, e.g., phenidone, NDGA, ETYA and Zileuton, to the target injury site for a period of time sufficient to permit tissue repair. The 5-lipoxygenase inhibitor is preferably administered in conjunction with a delivery **vehicle** (e.g., microcapsules, microspheres, biodegradable polymer films, lipid-based delivery systems such as liposomes and lipid foams, crystalloid or viscous instillates and absorbable mech. barriers) useful for maintaining local concns. of the inhibitor at the injury site at an effective level for a sustained period of time. Thus, phenidone delivered for 7 days at the rate 10 .mu.L/h prevented adhesion formation in 5 of 6 rabbits at 0.5 mg/mL and in 4 of 6 rabbits at 0.05 mg/mL, resp.

L39 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1996:457920 CAPLUS
DOCUMENT NUMBER: 125:96094
TITLE: Compositions containing lazaroids and their use for preventing adhesions
INVENTOR(S): Rodgers, Kathleen E.; diZerega, Gere S.
PATENT ASSIGNEE(S): University of Southern California, USA
SOURCE: PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9615795	A1	19960530	WO 1995-US14938	19951115
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5614515	A	19970325	US 1994-341651	19941117
CA 2205347	AA	19960530	CA 1995-2205347	19951115
AU 9641107	A1	19960617	AU 1996-41107	19951115
AU 692641	B2	19980611		
EP 792153	A1	19970903	EP 1995-939168	19951115
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 10511645	T2	19981110	JP 1995-516980	19951115
PRIORITY APPLN. INFO.:			US 1994-341651	19941117
			WO 1995-US14938	19951115

OTHER SOURCE(S): MARPAT 125:96094

AB An effective amt. of at least one lazaroid compd. is administered for a period of time sufficient to permit tissue repair with minimization of adhesion formation. The compds. are preferably administered in conjunction with a delivery **vehicle** (e.g., microcapsules, microspheres, biodegradable polymer films, lipid-based delivery systems such as liposomes and lipid foams, viscous instillates and absorbable mech. barriers) useful for maintaining local concns. of the compd. at an effective level. Multiple studies to confirm the efficacy of U-83836E in the redn. of adhesion formation after peritoneal surgery were performed in rabbit uterine horn models and sidewall adhesion models.

L39 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1996:456232 CAPLUS
DOCUMENT NUMBER: 125:123738
TITLE: Retinoid-based compositions and method for preventing adhesion formation using them
INVENTOR(S): Rodgers, Kathleen E.; Dizerega, Gere S.
PATENT ASSIGNEE(S): University of Southern California, USA
SOURCE: U.S., 13 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5534261	A	19960709	US 1995-373399	19950117

AB The invention relates to compns. and methods for prevention of adhesion formation, whereby an effective amt. of at least one retinoid, e.g., all trans retinoic acid, is administered for a period of time sufficient to permit tissue repair. The retinoid is preferably administered in conjunction with a delivery **vehicle** (e.g., microcapsules, microspheres, biodegradable polymer films, lipid-based delivery systems such as liposomes and lipid foams, viscous instillates and absorbable mech. barriers) useful for maintaining local concns. of the compd. at the injury site at an effective level.

L39 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1996:121147 CAPLUS
DOCUMENT NUMBER: 124:156033
TITLE: Use of dipyridamole and analogs thereof in preventing adhesion formation
INVENTOR(S): Rodgers, Kathleen Elizabeth; Dizerega, Gere Stodder
PATENT ASSIGNEE(S): University of Southern California, USA
SOURCE: PCT Int. Appl., 37 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9533410	A1	19951214	WO 1995-US6250	19950606
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TT, UA				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5498613	A	19960312	US 1994-253437	19940607
AU 9526899	A1	19960104	AU 1995-26899	19950606
PRIORITY APPLN. INFO.:			US 1994-253437	19940607
			WO 1995-US6250	19950606

AB Compns. and methods for prevention of adhesion formation, whereby an effective amt. of at least one compd. selected from dipyridamole and analogs thereof is administered as active agent for a period of time sufficient to permit tissue repair. The active agent is preferably administered in conjunction with a delivery **vehicle** (e.g., microcapsules, microspheres, lipid-based systems, viscous instillates and absorbably mech. barriers) useful for maintaining local concns. of the compd. at an effective level.

L39 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1996:58392 CAPLUS
DOCUMENT NUMBER: 124:97806
TITLE: Use of quinacrine in preventing adhesion formation
INVENTOR(S): Rodgers, Kathleen E.; Dizerega, Gere S.
PATENT ASSIGNEE(S): University of Southern California, USA
SOURCE: U.S., 10 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5478837	A	19951226	US 1994-253438	19940607

AB Compns. and methods for prevention of adhesion formation, whereby an effective amt. of quinacrine as active agent is administered for a period of time sufficient to permit tissue repair, are disclosed. The active agent is preferably administered in conjunction with a delivery **vehicle** (e.g., microcapsules, microspheres, lipid-based systems, and absorbable mech. barriers) useful for maintaining local concns. of the compd. at an effective level. The compns. are esp. effective in preventing the formation of adhesions between organ surfaces, in particular adhesion formation in the peritoneum following surgery. In animal studies, rabbit sidewall adhesion models and uterine horn models demonstrated that quinacrine was effective in reducing the area of adhesion formation.

L39 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:354442 CAPLUS
DOCUMENT NUMBER: 122:114940
TITLE: slow-release pharmaceuticals of water-soluble peptide hormones
INVENTOR(S): Sakurai, Hiroshi

09/687,951

PATENT ASSIGNEE(S): Kirin Brewery, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06321803	A2	19941122	JP 1993-139066	19930517

AB Implant-type pharmaceutical compns. contg. water-sol. peptide hormones (e.g. erythropoietin) for slow-release are prepd. by filling physiol. active water-sol. peptide hormones mixed with **vehicle** selected from gelatin, albumin, collagen, fibrin, **hyaluronic acid** , chondroitin sulfate, alginic acid, gum arabic and dextrin into a .ltoreq. 1mm outer diam. tube made of insol. biodegradable polymers such as polylactic acid. The prepns. can be implanted into patients by injection for slow-release.

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	24.59	119.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.88	-8.24

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FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9526134	A1	19951005	WO 1995-US3744	19950328
W: AU, CA, JP, KR, MX, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2184828	AA	19951005	CA 1995-2184828	19950328
AU 9521955	A1	19951017	AU 1995-21955	19950328
AU 703926	B2	19990401		
ZA 9502521	A	19960315	ZA 1995-2521	19950328
EP 788305	A1	19970813	EP 1995-914878	19950328
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 09510976	T2	19971104	JP 1995-525241	19950328
US 5708023	A	19980113	US 1995-492080	19950628
AU 9936897	A1	19990826	AU 1999-36897	19990630
PRIORITY APPLN. INFO.:			US 1994-218666	19940328
			AU 1995-21955	19950328
			WO 1995-US3744	19950328

AB A compn. for applying to a surface such as skin or medical equipment comprises an irritant-inactivating agent such as an antimicrobial agent, and a substance which substantially prevents the irritant-inactivating agent from binding to the surface. A suspension of 12% corn starch and 4% chlorhexidine gluconate stirred for 24h at 28-30.degree., then centrifuged, washed, and dried at 100.degree. for 2 h. The above mixt. was suspended in water at a concn. of 20% and tested against Staphylococcus aureus. The compn. inactivated the microbial pathogen within 2 min upon fluid contact.

L9 ANSWER 70 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:995464 CAPLUS
DOCUMENT NUMBER: 124:57810
TITLE: Preparation of polymer microspheres suitable for biomedical uses
INVENTOR(S): Coombes, Allan Gerald Arthur; Davis, Stanley Stewart; Schacht, Etienne Honore
PATENT ASSIGNEE(S): University of Nottingham, UK; University of Gent
SOURCE: PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9526376	A2	19951005	WO 1995-GB686	19950327
WO 9526376	A3	19951116		
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 797615	A2	19971001	EP 1995-912372	19950327
EP 797615	B1	19990113		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
JP 09511002	T2	19971104	JP 1995-525042	19950327
AT 175699	E	19990115	AT 1995-912372	19950327
US 5922357	A	19990713	US 1997-714081	19970304
PRIORITY APPLN. INFO.:			GB 1994-6094	19940328
			WO 1995-GB686	19950327

AB Microspheres suitable for medical imaging, drug targeting, etc., are prepd. by dispersing a soln. of a water-insol. polymer in a soln. of

polyethylene glycol (I) and a water-sol. polymer and evapg. the solvent for the water-insol. polymer. The microspheres contain a core of the water-insol. polymer which is attached to a surface layer of the water-sol. polymer by an intermediate layer of I through chain entanglement. A soln. of glycolide-lactide copolymer in 1:1 acetone-Cl2CH2 was added to an aq. soln. contg. I (mol. wt. 750) and dextran (mol. wt. 40,000), and the mixt. was stirred while acetone and Cl2CH2 were evapd., giving a stable suspension of microspheres.

L9 ANSWER 71 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:994994 CAPLUS
DOCUMENT NUMBER: 124:49699
TITLE: Gas-filled microspheres as magnetic resonance imaging (MRI) contrast agents
INVENTOR(S): Unger, Evan C.
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 111 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 19
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9524184	A1	19950914	WO 1995-US2782	19950310
W: AU, CA, CN, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5922304	A	19990713	US 1995-401974	19950309
AU 9521573	A1	19950925	AU 1995-21573	19950310
EP 797433	A1	19971001	EP 1995-914685	19950310
R: DE, FR, GB				
JP 09510204	T2	19971014	JP 1995-523574	19950310
PRIORITY APPLN. INFO.:			US 1994-212553	19940311
			US 1995-401974	19950309
			US 1989-455707	19891222
			US 1990-569828	19900820
			US 1991-716899	19910618
			US 1991-717084	19910618
			US 1991-569828	19910820
			US 1993-76239	19930611
			US 1993-76250	19930611
			US 1993-159674	19931130
			US 1993-159687	19931130
			US 1993-160232	19931130
			US 1994-307305	19940916
			WO 1995-US2782	19950310

AB Gas-filled microspheres are provided which are useful as MRI contrast agents. The gas is a biocompatible gas, e.g. nitrogen, or is derived from a gaseous precursor, e.g. perfluorooctyl bromide. The microspheres are stabilized by being formed from a stabilizing compd., e.g. a biocompatible lipid or polymer. Also disclosed are methods for prepg. the microspheres, as well as imaging methods (for e.g. cardiovascular or gastrointestinal regions) using the microspheres.

L9 ANSWER 72 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:774579 CAPLUS
DOCUMENT NUMBER: 123:208920
TITLE: Thiol-containing biomaterials for medical and pharmaceutical use
INVENTOR(S): Constancis, Alain; Soula, Gerard

PATENT ASSIGNEE(S): [redacted]lamel Technologies, Fr.
SOURCE: Fr. Demande, 28 pp.
CODEN: FRXXBL

DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2707992	A1	19950127	FR 1993-9198	19930721
FR 2707992	B1	19951013		
WO 9503272	A1	19950202	WO 1994-FR914	19940721
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 710226	A1	19960508	EP 1994-922288	19940721
EP 710226	B1	19981014		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 09503490	T2	19970408	JP 1994-504980	19940721
AT 172191	E	19981015	AT 1994-922288	19940721
US 5646239	A	19970708	US 1996-578539	19960306
PRIORITY APPLN. INFO.:			FR 1993-9198	19930721
			WO 1994-FR914	19940721

OTHER SOURCE(S): MARPAT 123:208920

AB Thiol-contg. biomaterials for medical and pharmaceutical use are prepd. from condensation of a dicarboxylic acid with a S-contg. amino acid or its derivs. (Markush structure given). The compns. are used for prepn. of sutures, prosthetics, adhesives and controlled-release prepns. Thus, 3 g [CH(CH2)2CONHCH(COOH)CH2S:SCH2CH2(COOH)NH]n (prepn. given) and 2.87 g dithiothreitol was dissolved in 70 mL water under N, pH = 8.5, and stirred for 3 h to obtain [SHCH2CH(COOH)NHCO(CH2)2CONHCH(COOH)CH2SH]n.

L9 ANSWER 73 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:773241 CAPLUS
DOCUMENT NUMBER: 123:179584
TITLE: Sustained-release preparations for bone implants
INVENTOR(S): Ishii, Yoshiaki; Yamakawa, Ichiro; Watanabe, Sumio
PATENT ASSIGNEE(S): Eisai Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07157439	A2	19950620	JP 1993-339812	19931207

AB The title prepns. comprise compressed moldings contg. pharmaceuticals and polymers (and optionally artificial bone ingredients) having a coating layer contg. artificial bone ingredients. Gentamicin sulfate 20, poly(lactic acid) 40, Ca3(PO4)2-Ca4H(PO4)3-CaHPO4 mixt. (A) 80, and Na chondroitinsulfate-Na succinate-H2O mixt. (B) 22.9 mg were molded, solidified at 37.degree. and humidity 50% for 24 h, sandwiched with a mixt. of A and B, and solidified to give moldings, which showed good sustained-release property.

L9 ANSWER 74 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:594543 CAPLUS
DOCUMENT NUMBER: 122:322573
TITLE: Wound implant materials

INVENTOR(S): Arnold, Peter Stuart
PATENT ASSIGNEE(S): Johnson and Johnson Medical Inc., USA
SOURCE: Brit. UK Pat. Appl., 13 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2281861	A1	19950322	GB 1993-19447	19930921
GB 2281861	B2	19970820		
ZA 9407063	A	19960313	ZA 1994-7063	19940913
CA 2132368	AA	19950322	CA 1994-2132368	19940919
JP 07204261	A2	19950808	JP 1994-250117	19940920
JP 3034769	B2	20000417		
EP 648480	B1	20001220	EP 1994-306874	19940920
R: AT, CH, DE, ES, FR, IT, LI, PT				
US 5766631	A	19980616	US 1995-461791	19950605

PRIORITY APPLN. INFO.: GB 1993-19447 19930921
US 1994-309828 19940921

AB Wound implant maters. comprise a plurality of bioabsorbable microspheres bound together by a bioabsorbable matrix, such as in a freeze-dried collagen matrix. The microspheres preferably comprise over 30% of the vol. of the mater., and preferably have diams. of 10 .mu.m to 1500 .mu.m. The microspheres and/or the matrix preferably comprise a polylactic/polyglycolic copolymer, collagen, crosslinked collagen, **hyaluronic acid**, crosslinked **hyaluronic acid**, an alginate or a cellulose deriv. The resulting implants are strong and slowly resorbed. Control over the porosity of the implant is achieved.

L9 ANSWER 75 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:412924 CAPLUS
DOCUMENT NUMBER: 122:170233
TITLE: Growth factor and collagen composition for revitalizing scar tissue
INVENTOR(S): Berg, Richard A.; Rhee, Woonza Min
PATENT ASSIGNEE(S): Collagen Corp., USA
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 637450	A2	19950208	EP 1993-112761	19930809
EP 637450	A3	19950405		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 07089867	A2	19950404	JP 1993-198671	19930810
CA 2103938	AA	19950205	CA 1993-2103938	19930812

PRIORITY APPLN. INFO.: US 1993-99241 19930804

AB A method is disclosed for remediation of scar tissue in a human or an animal by introducing into the scar tissue or adjacent tissue a remedial compn. comprising naturally occurring or synthetic growth factors and/or their active peptide segments. of naturally occurring and synthetic growth factors, and mixts. thereof. Typically the remedial compn. includes a biodegradable or nonbiodegradable support matrix material to provide for timed release of the bioactive material. Preferably, the support matrix

is biodegradable a[redacted] is selected from collagen, gly[redacted]aminoglycan, gelatin, albumin, **hyaluronic acid**, heparin, oxidized cellulose, dextran, polyglycolic acid, polylactic acid, polyanhydride, and mixts. thereof. To render the scar tissue less dense, to spatially expand the scar tissue fibrils, and to facilitate penetration of the remedial compn. into the scar tissue, a softening, expanding compn. is also introduced into the scar tissue prior to or simultaneously with the remedial compn. A preferred softening, expanding compn. includes .gtoreq.1 dried collagen-contg. polymer, .gtoreq.1 polymer hydrogel, and a nonaq. liq. carrier material. Thus, an injectable scar tissue-degrading compn. contained **hyaluronic acid** (3%, wt./vol.) and human gingival collagenase (1 mg/10 mL).

L9 ANSWER 76 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1995:354442 CAPLUS
DOCUMENT NUMBER: 122:114940
TITLE: slow-release pharmaceuticals of water-soluble peptide hormones
INVENTOR(S): Sakurai, Hiroshi
PATENT ASSIGNEE(S): Kirin Brewery, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06321803	A2	19941122	JP 1993-139066	19930517

AB Implant-type pharmaceutical compns. contg. water-sol. peptide hormones (e.g. erythropoietin) for slow-release are prepd. by filling physiol. active water-sol. peptide hormones mixed with vehicle selected from gelatin, albumin, collagen, fibrin, **hyaluronic acid**, chondroitin sulfate, alginic acid, gum arabic and dextrin into a .ltoreq. 1mm outer diam. tube made of insol. biodegradable polymers such as polylactic acid. The prepns. can be implanted into patients by injection for slow-release.

L9 ANSWER 77 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1994:638467 CAPLUS
DOCUMENT NUMBER: 121:238467
TITLE: Multilayer nonwoven tissue containing a surface layer comprising at least one **hyaluronic acid** ester
INVENTOR(S): Dorigatti, Franco; Callegaro, Lanfranco
PATENT ASSIGNEE(S): Fidia Advanced Biopolymers S.r.L., Italy
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9417837	A1	19940818	WO 1994-EP397	19940211

W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US, UZ, VN
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,

BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

CA 2155319	[illegible]	19940818	CA 1994-21553[illegible]	19940211
AU 9461088	A1	19940829	AU 1994-61088	19940211
AU 681873	B2	19970911		
EP 683679	A1	19951129	EP 1994-907550	19940211
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 08506255	T2	19960709	JP 1994-517674	19940211
IL 110438	A1	19980924	IL 1994-110438	19940725
CN 1116085	A	19960207	CN 1994-116145	19940730
US 5658582	A	19970819	US 1995-505325	19951010
PRIORITY APPLN. INFO.:			IT 1993-PD24	19930212
			WO 1994-EP397	19940211

AB A multilayer nonwoven material, comprising a surface layer which comes into contact with the skin, such as **hyaluronic acid** ester, and one or more other layers which do not come into contact with the skin. This material can be employed in a wide variety of medical and sanitary applications, including surgery and as a non-adhesive covering material. A multilayer nonwoven tissue composed of a layer of **hyaluronic acid** benzyl ester (Hyaff 11) and a layer of nonwoven viscose (Jettex 2005), with 2mm thickness and water absorption of 56% was prepd.

L9 ANSWER 78 OF 103 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1994:280297 CAPLUS
DOCUMENT NUMBER: 120:280297
TITLE: Lipophilic radioisotope salt formulations having low solubility
INVENTOR(S): Esposito, Pierandrea; Dobetti, Luca; Rabaglia, Leonardo; Boltri, Luigi
PATENT ASSIGNEE(S): Vectorpharma International S.p.A., Italy
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 587106	A2	19940316	EP 1993-114313	19930907
EP 587106	A3	19940525		
EP 587106	B1	19970730		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
AT 156114	E	19970815	AT 1993-114313	19930907
ES 2108180	T3	19971216	ES 1993-114313	19930907
PRIORITY APPLN. INFO.:			IT 1992-MI2090	19920909

AB The title formulations which show more stability and lipophilicity and less soly. are prepd. Na laurate in EtOH was stirred with Sm chloride to ppt. Sm laurate (I). Thus, 10mg I was dissolved in 200mg melted lauric acid and the oily phase was emulsified with 1mL water contg. 130 mg Na taurodeoxycholate, 200mL of Tween 80, and 100 mL of butyric acid. The microemulsion was dispersed in water with consequent solidification of lipidic nanospheres which were sepd. and lyophilized. The soly. of various radioisotopes was tested.

L9 ANSWER 79 OF 103 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1994:86506 CAPLUS
DOCUMENT NUMBER: 120:86506
TITLE: Pharmaceutical implants for delivery of drugs to smooth muslces
INVENTOR(S): Lee, Clarence C.

PATENT ASSIGNEE(S): C.R. Bard, Inc., USA
SOURCE: Eur. Pat. Appl., 8 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 572932	A2	19931208	EP 1993-108636	19930528
EP 572932	A3	19970115		
EP 572932	B1	20000913		

R: DE, ES, FR, GB, IT

PRIORITY APPLN. INFO.: US 1992-892204 19920602

AB An implantable device sp. suited for treating tissues and organs that are comprised of smooth muscle is disclosed. The implantable device can deliver either a single therapeutic agent or a plurality of therapeutic agents to the tissue or organ at zero order kinetics. Polyglycolide and hyoscyamine sulfate powder (20:1) were blended and extruded at .apprx.160.degree. to form a rod, 1mm diam. which was coated with Pt by vacuum deposit to reach a 10m.mu. thickness. The rod was cut into half in segments and implanted into a bladder neck tissue of a female patient.

L9 ANSWER 80 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1993:610722 CAPLUS
DOCUMENT NUMBER: 119:210722
TITLE: Peptides for pharmaceuticals
INVENTOR(S): Myoshi, Teruzo; Mimura, Shuji; Mitsuno, Tooru
PATENT ASSIGNEE(S): Denki Kagaku Kogyo Kk, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05097694	A2	19930420	JP 1992-85092	19920309
			JP 1991-67674	19910308

PRIORITY APPLN. INFO.:

AB Therapeutic peptides with hyaluronates and polymers are stable and released from the formulation in a controlled manner. For example, an oral formulation was prepd. contg. Na hyaluronate and human interferon for treatment of cancer and viral infections.

L9 ANSWER 81 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1993:567841 CAPLUS
DOCUMENT NUMBER: 119:167841
TITLE: Non-woven fabric material comprising **hyaluronic acid** derivatives in surgery
INVENTOR(S): Dorigatti, Franco; Callegaro, Lanfranco; Romeo, Aurelio
PATENT ASSIGNEE(S): M.U.R.S.T., Italy
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9311803	A1	19930624	WO 1992-EP2957	19921218
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
AU 9333466	A1	19930719	AU 1993-33466	19921218
AU 669147	B2	19960530		
EP 618817	A1	19941012	EP 1993-902120	19921218
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
HU 68680	A2	19950728	HU 1994-1837	19921218
HU 216804	B	19990830		
RU 2133127	C1	19990720	RU 1994-31562	19921218
RO 115017	B1	19991029	RO 1994-1047	19921218
FI 9402894	A	19940818	FI 1994-2894	19940616
NO 9402330	A	19940817	NO 1994-2330	19940617
			IT 1991-PD229	19911218
PRIORITY APPLN. INFO.:			WO 1992-EP2957	19921218

AB Biomaterials are disclosed which are comprised of biodegradable, biocompatible, and bioabsorbable nonwoven fabric materials. The nonwoven fabric materials are comprised of threads imbedded in a matrix; both matrix and threads can be comprised of **hyaluronic acid** esters, singly or in combination with esters of alginic acid or other polymers. The fabric can be used for treating skin pathol., surgery, etc.

Prepn. of a variety of **hyaluronic acid** esters is described, as is manuf. of the fabric. A nonwoven fabric of **hyaluronic acid** benzyl ester was impregnated with vancomycin.

L9 ANSWER 82 OF 103 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1993:503337 CAPLUS
DOCUMENT NUMBER: 119:103337
TITLE: Peptides for preventing adhesion formation
INVENTOR(S): Dizerega, Gere Stodder; Rodgers, Kathleen Elizabeth
PATENT ASSIGNEE(S): University of Southern California, USA
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9308818	A1	19930513	WO 1992-US9494	19921106
W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
AU 9230648	A1	19930607	AU 1992-30648	19921106
EP 667783	B1	19990421	EP 1992-924282	19921106
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, SE				
AT 179074	E	19990515	AT 1992-924282	19921106
ZA 9208607	A	19930607	ZA 1992-8607	19921109
US 5629294	A	19970513	US 1994-178482	19940106
			US 1991-789231	19911107
PRIORITY APPLN. INFO.:			WO 1992-US9494	19921106

AB Peptides contg. Arg-Gly-Asp are effective in preventing the formation of postoperative adhesions to permit tissue repair. Peptides are administered in the form of microspheres, microcapsules, liposomes, instillates, and in combination with absorbable mech. barriers. Rabbits

underwent laparotomy followed by abrasion and devascularization of uterine horns and treated with Arg-Gly-Asp-Ser-Pro-Ala-Ser-Ser-Lys-Pro for 7 day postoperative period at the total dose of 0.37mg. Less extent of adhesion formation was obsd., compared to the control rabbits received saline.

L9 ANSWER 83 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1993:444378 CAPLUS
DOCUMENT NUMBER: 119:44378
TITLE: Gel particle contrast media for improved NMR or other imaging
INVENTOR(S): Unger, Evan C.
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9310440	A1	19930527	WO 1992-US8948	19921020
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				
AU 9228940	A1	19930615	AU 1992-28940	19921020
AU 667491	B2	19960328		
EP 614527	A1	19940914	EP 1992-922870	19921020
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, SE				
JP 07501331	T2	19950209	JP 1992-509251	19921020
US 5358702	A	19941025	US 1993-62325	19930514
			US 1991-794437	19911119
			US 1990-507125	19900410
PRIORITY APPLN. INFO.:			WO 1992-US8948	19921020

AB The title contrast media contain gel particles, preferably of .ltoreq.90 .mu.m in diam. and comprising .gtoreq.1 polymer (e.g. polyethylene) entrapping .gtoreq.1 contrast-enhancing metal. Thus, pectin gel particles (prepd. from pectin gel, Mn, and Ca at mol. ratio 4:2:1) were injected i.v. into rats at 2.33-2.5 .mu.mols/kg, and the treated animals were scanned via NMR. At 25 min post-contrast, a 19.5% increase in liver signal intensity was noted compared to control values.

L9 ANSWER 84 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1993:198231 CAPLUS
DOCUMENT NUMBER: 118:198231
TITLE: Composition and method for revitalizing scar tissue
INVENTOR(S): Lee, Clarence C.
PATENT ASSIGNEE(S): Bard, C.R., Inc., USA
SOURCE: Can. Pat. Appl., 23 pp.
CODEN: CPXXEB
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 2071137	AA	19930111	CA 1992-2071137	19920612
JP 05186329	A2	19930727	JP 1992-201813	19920707
EP 526756	A1	19930210	EP 1992-111651	19920709
EP 526756	B1	19970502		
R: DE, ES, FR, GB, IT				

ES 2100255		19970616	ES 1992-111651	19920709
US 5686425	A	19971111	US 1995-463886	19950605
US 5763399	A	19980609	US 1995-465141	19950605
US 5739113	A	19980414	US 1996-700051	19960820
PRIORITY APPLN. INFO.:			US 1991-728171	19910710
			US 1993-15275	19930208
			US 1994-183628	19940119

AB A compn. and method are disclosed that are effective in revitalizing scar tissue by introducing a bioactive substance such as growth regulators having angiogenic activity into the scar tissue. The bioactive substance can be introduced by itself, or it can be introduced into the scar tissue in a timed release form. The compn. is effective in treating stress urinary incontinence or localized muscular dysfunction.

L9 ANSWER 85 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1993:109744 CAPLUS
DOCUMENT NUMBER: 118:109744
TITLE: Pharmaceutical formulations of osteogenic proteins
INVENTOR(S): Ron, Eyal; Turek, Thomas J.; Isaacs, Benjamin S.; Patel, Himakshi; Kenley, Richard A.
PATENT ASSIGNEE(S): Genetics Institute, Inc., USA
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9300050	A2	19930107	WO 1992-US5309	19920622
WO 9300050	A3	19930819		
W: AU, BR, CA, FI, JP, KR, NO, RU, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
AU 9222542	A1	19930125	AU 1992-22542	19920622
AU 663328	B2	19951005		
EP 591392	A1	19940413	EP 1992-914339	19920622
EP 591392	B1	19960911		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
AT 142460	E	19960915	AT 1992-914339	19920622
ES 2094359	T3	19970116	ES 1992-914339	19920622
US 5597897	A	19970128	US 1993-81378	19930629
NO 9304573	A	19931213	NO 1993-4573	19931213
PRIORITY APPLN. INFO.:			US 1991-718721	19910621
			WO 1992-US5309	19920622

AB Pharmaceutical formulations designed to sequester osteogenic proteins in situ for a time sufficient to allow the protein to induce cartilage and/or bone formation comprises an admixt. of an osteogenic protein, a matrix selected form the group consisting of poly(lactic acid), poly(glycolic acid), and lactic acid-glycolic acid copolymer, and an osteogenic protein-sequestering alkyl cellulose. The formulations provide malleable implants and can be used for repairing bone defects.

L9 ANSWER 86 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1993:87710 CAPLUS
DOCUMENT NUMBER: 118:87710
TITLE: Implantation compositions containing biocompatible particles for effecting bone repair
INVENTOR(S): Sander, Thomas W.; Kaplan, Donald S.
PATENT ASSIGNEE(S): United States Surgical Corp., USA
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 522569	A1	19930113	EP 1992-111732	19920710
R: DE, ES, FR, GB, IT				
CA 2073574	AA	19930113	CA 1992-2073574	19920710
			US 1991-728748	19910712

PRIORITY APPLN. INFO.:

AB A moldable compn. suitable for implantation to effect bone repair which possesses a certain degree of workability or moldability upon being wetted, comprises either a bioabsorbable material, such as glycolide-lactide polymer or a nonbioabsorbable material, such as xenograft bone, dispersed in a cellulose ether matrix. Thus, CM cellulose powder 0.5 g was mixed with 3 g particles of poly(Me methacrylate) coated with poly(hydroxyethyl methacrylate), then 2 g water was added and all ingredients were thoroughly mixed to form a putty.

L9 ANSWER 87 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1993:66946 CAPLUS
DOCUMENT NUMBER: 118:66946
TITLE: Sustained-release preparations for bone implants and their manufacture
INVENTOR(S): Kawaji, Wataru; Ishii, Yoshiaki; Yamakawa, Ichiro; Watanabe, Sumio
PATENT ASSIGNEE(S): Eisai Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04279520	A2	19921005	JP 1991-153805	19910530
			JP 1990-139885	19900531

PRIORITY APPLN. INFO.:

AB Sustained-release prepns., which are implanted to bone, are manufd. by mixing pharmaceuticals (e.g. antibiotics) with polymers, molding by compression or melt solidification, pulverization, mixing with artificial bone components, and compression molding. Gentamicin sulfate (I, 10 mg) was mixed with 90 mg poly(DL-lactic acid), compression molded, pulverized, and compression molded with 25 mg Boneceram PG 1 [Ca10(PO4)6(OH)2]. The molding gradually released I in phosphate buffer at 37.degree. and pH 7.4, vs. poor sustained-release property, for control, manufd. similarly but without compression of I and the polymer before mixing with Boneceram PG 1.

L9 ANSWER 88 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1993:45790 CAPLUS
DOCUMENT NUMBER: 118:45790
TITLE: Pharmaceutical compositions containing bioactive peptides for virus inhibition and wound healing
INVENTOR(S): Miyoshi, Teruzo; Mimura, Shuji
PATENT ASSIGNEE(S): Denki Kagaku Kogyo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04282322	A2	19921007	JP 1991-67665	19910308

AB A pharmaceutical contains a transforming growth factor 10 .mu.g, and 0.5 wt.% Na hyaluronate in 100 mL saline (pH 7.1). Bioactive peptides may be a proteinase such as trypsin inhibitor. The prepn. is effective in treating virus infection, aging, wounds, inflammations, and bone diseases.

Biopolymers such as atelocollagen may be incorporated into the compns.

L9 ANSWER 89 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1992:497355 CAPLUS
DOCUMENT NUMBER: 117:97355
TITLE: Periodontal barrier and method for aiding periodontal tissue regeneration
INVENTOR(S): Jernberg, Gary R.
PATENT ASSIGNEE(S): USA
SOURCE: Can. Pat. Appl., 24 pp.
CODEN: CPXXEB
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 2041539	AA	19911115	CA 1991-2041539	19910430
EP 788788	A2	19970813	EP 1997-100793	19910514
EP 788788	A3	19980107		
R: DE, DK, FR, GB, SE				
PRIORITY APPLN. INFO.:			US 1990-522999	19900514
			US 1990-600191	19901018
			EP 1991-911557	19910514

AB A method for aiding and guiding periodontal tissue regeneration, comprises incorporating microcapsules contg. .gtoreq. 1 chemotherapeutic agent into a periodontal barrier so as to provide for sustained delivery of the agent to a localized periodontal regeneration site and implanting the barrier at the periodontal regeneration site (no data). The schematic drawings of the barrier are presented.

L9 ANSWER 90 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1992:158916 CAPLUS
DOCUMENT NUMBER: 116:158916
TITLE: Contrast media for ultrasonic imaging
INVENTOR(S): Unger, Evan C.; Wu, Guanli
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9118612	A1	19911212	WO 1991-US3850	19910531
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
EP 531421	A1	19930317	EP 1991-910712	19910531

EP 531421		A1	19971210		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE					
AU 650466		B2	19940623	AU 1991-80858	19910531
EP 728486		A2	19960828	EP 1996-104842	19910531
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE					
AT 160940		E	19971215	AT 1991-910712	19910531
ES 2112859		T3	19980416	ES 1991-910712	19910531
US 5420176		A	19950530	US 1993-58098	19930505
AU 9463196		A1	19940804	AU 1994-63196	19940518
AU 671538		B2	19960829		
US 5639442		A	19970617	US 1995-391936	19950221
US 5714528		A	19980203	US 1995-458667	19950602
US 5714529		A	19980203	US 1995-461202	19950605
AU 9648195		A1	19960620	AU 1996-48195	19960320
AU 686047		B2	19980129		
US 5948387		A	19990907	US 1997-853509	19970509
PRIORITY APPLN. INFO.:				US 1990-532213	19900601
				EP 1991-910712	19910531
				US 1991-708731	19910531
				WO 1991-US3850	19910531
				US 1993-58098	19930505
				US 1995-391936	19950221
				US 1995-458667	19950602
				US 1995-461202	19950605
				US 1995-466377	19950606

AB Novel contrast media for use in ultrasonic imaging are described. Such contrast media may be comprised of an aq. soln. of .gtoreq.1 biocompatible polymers, wherein said biocompatible polymers are coated with and/or in admixt. with at least one Si contg. compd. Alternatively, the contrast media may be comprised of an aq. soln. of .gtoreq.1 biocompatible synthetic polymers, or an aq. soln. of cellulose. The contrast media may be employed, if desired, with anti-gas agents and/or suspending agents.

L9 ANSWER 91 OF 103 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1992:113604 CAPLUS
DOCUMENT NUMBER: 116:113604
TITLE: Biocompatible perforated membranes as artificial skin and as tissue culture support
INVENTOR(S): Della Valle, Francesco; Calderini, Gabriella; Rastrelli, Alessandro; Romeo, Aurelio
PATENT ASSIGNEE(S): Fidia S.p.A., Italy
SOURCE: Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 462426	A1	19911227	EP 1991-108654	19910528
EP 462426	B1	19970813		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
IL 98255	A1	19971120	IL 1991-98255	19910524
AT 156689	E	19970815	AT 1991-108654	19910528
ES 2108019	T3	19971216	ES 1991-108654	19910528
NO 9102058	A	19911202	NO 1991-2058	19910529
ZA 9104098	A	19920325	ZA 1991-4098	19910529
FI 9102591	A	19911202	FI 1991-2591	19910530
AU 9178066	A1	19911205	AU 1991-78066	19910530
AU 637235	B2	19930520		
CA 2043527	AA	19911202	CA 1991-2043527	19910531
JP 04231061	A2	19920819	JP 1991-129245	19910531

HU 60514 A 19920928 HU 1991-1834 19910531
HU 215534 B 19990128
IN 172719 A 19931209 IN 1991-CA412 19910531
PRIORITY APPLN. INFO.: IT 1990-20513 19900601
AB Biocompatible membranes constructed of materials of natural, synthetic, or
semisynthetic origin and having a thickness of 10-500 .mu.m and an ordered
series of holes of size 10-100 .mu.m, sepd. from each other by a const. distance of 50-1000 .mu.m, are obtained by perforation by mech., thermal laser or UV radiation means. The membranes are suitable for use as a support for the in vitro growth of epithelial cells and as the artificial skin. Thus, a membrane of benzyl hyaluronate was perforated using a computerized UV laser device operating at a frequency of 273 .mu.m to have
holes with diam. of 40 .mu.m, at a distance apart of 80 .mu.m. The membrane was fixed to the base of cell culture vessels and used for the in
vitro culture of human keratinocytes.

L9 ANSWER 92 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1992:54744 CAPLUS
DOCUMENT NUMBER: 116:54744
TITLE: Fluorine-19-labeled compounds as NMR imaging and spectroscopy agents
INVENTOR(S): Antich, Peter P.; Kulkarni, Padmakar V.
PATENT ASSIGNEE(S): University of Texas System, USA
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9112824	A2	19910905	WO 1991-US1150	19910221
WO 9112824	A3	19920220		
W: AT, AU, BB, BG, BR, CA, CH, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MC, MG, MW, NL, NO, RO, SD, SE, SU				
RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, DK, ES, FR, GA, GB, GR, IT, LU, ML, MR, NL, SE, SN, TD, TG				
US 5236694	A	19930817	US 1990-482879	19900221
CA 2075953	AA	19910822	CA 1991-2075953	19910221
AU 9174539	A1	19910918	AU 1991-74539	19910221
AU 641233	B2	19930916		
EP 517788	A1	19921216	EP 1991-905554	19910221
EP 517788	B1	19950802		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 05506432	T2	19930922	JP 1991-505438	19910221
ES 2075433	T3	19951001	ES 1991-905554	19910221

PRIORITY APPLN. INFO.: US 1990-482879 19900221
WO 1991-US1150 19910221

AB Fluorine-19-labeled compds. comprising a 19F-contg. sensor moiety and a transport polymer (e.g. dextrans, cyclodextrins, polylysine, heparin, etc.) are useful for NMR imaging and spectroscopy. Poly-L-lysine.HBr was reacted with S-ethyl-thiotrifluoroacetate in trifluoroacetyl-poly-L-lysine
prepn.

L9 ANSWER 93 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1991:415587 CAPLUS
DOCUMENT NUMBER: 115:15587
TITLE: Pharmaceutical preparation containing hormones or

rowth factors and receptors or binding proteins
INVENTOR(S): risell, Per; Norstedt, Gunnar
PATENT ASSIGNEE(S): Swed.
SOURCE: PCT Int. Appl., 15 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9005522	A1	19900531	WO 1989-SE666	19891117
W: AU, BB, BG, BR, DK, FI, HU, JP, KP, KR, LK, MC, MG, MW, NO, RO, SD, SU, US				
RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, ES, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
AU 8945253	A1	19900612	AU 1989-45253	19891117
AU 632074	B2	19921217		
EP 444081	A1	19910904	EP 1989-912690	19891117
EP 444081	B1	19990512		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
JP 05505169	T2	19930805	JP 1989-511728	19891117
JP 2752209	B2	19980518		
AT 179887	E	19990515	AT 1989-912690	19891117
ES 2134187	T3	19991001	ES 1989-912690	19891117
PRIORITY APPLN. INFO.:			SE 1988-4164	19881117
			WO 1989-SE666	19891117

AB A receptor or binding protein for a hormone or growth factor is coupled with **hyaluronic acid** gel or other biodegradable polymer carrier for use as a pharmaceutical to treat excessive prodn. of the hormone or growth factor. Addnl., a combination of the growth factor or hormone, the receptor or binding protein, and the carrier is used as a slow-release form of the growth factor or hormone. Thus, the extracellular domain of the growth hormone (GH) receptor, produced by recombinant DNA methodol., was purified, crosslinked to **hyaluronic acid**, and incubated with excess GH, and unbound GH was removed by centrifugation. This prepn., injected s.c., slowly released GH in a dose-dependent manner which was based on both the amt. of GH and the no. of GH receptors coupled to the gel. Hypophysectomized rats treated with this prepn. showed an increase in body wt.

L9 ANSWER 94 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1991:214427 CAPLUS
DOCUMENT NUMBER: 114:214427
TITLE: Polypeptide-polymer conjugates for wound healing
INVENTOR(S): Pierschbacher, Michael D.; Polarek, James W.; Petrica, Marianne P.; Ruoslahti, Erkki I.
PATENT ASSIGNEE(S): La Jolla Cancer Research Foundation, USA
SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9006767	A1	19900628	WO 1989-US5771	19891220
W: AU, BB, BG, BR, DK, FI, HU, JP, KP, KR, LK, MC, MG, MW, NO, RO, SD, SU				
RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, ES, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				

CA 2006060	A1	19900620	CA 1989-20060	19891220
AU 9048285	A1	19900710	AU 1990-48285	19891220
AU 628910	B2	19920924		
EP 449973	A1	19911009	EP 1990-901461	19891220
EP 449973	B1	19960320		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
JP 04503951	T2	19920716	JP 1990-501905	19891220
AT 135584	E	19960415	AT 1990-901461	19891220
ES 2084688	T3	19960516	ES 1990-901461	19891220
DK 9101166	A	19910617	DK 1991-1166	19910617
NO 9102397	A	19910619	NO 1991-2397	19910619
NO 179505	B	19960715		
NO 179505	C	19961023		
US 5955578	A	19990921	US 1995-463835	19950605
PRIORITY APPLN. INFO.:			US 1988-286973	19881220
			WO 1989-US5771	19891220
			US 1992-978054	19921118
			US 1993-13154	19930201
			US 1995-383616	19950202

AB Conjugates of a synthetic peptide contg. RGD or (D-R)GD sequences, with **hyaluronic acid**, chondroitin sulfate, heparan sulfate, heparin, etc., are prepd. The conjugates promote wound healing by providing a temporary matrix. G(D-R)5G3(D-R)GDSPASSK (prepn. outlined) was conjugated with **hyaluronic acid**, using 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide as a coupling agent. The conjugate promoted healing of a rat dermal incision, as shown by wound strength measurement, whereas a mixt. of the peptide with **hyaluronic acid** was inactive.

L9 ANSWER 95 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1991:171359 CAPLUS
DOCUMENT NUMBER: 114:171359
TITLE: Implantation of polymers with attached chondroycte for regeneration of bone and cartilage
INVENTOR(S): Vacanti, Joseph P.; Vacanti, Charles A.; Langer, Robert S.
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9012603	A1	19901101	WO 1990-US2091	19900416
W: AU, CA, FI, JP, KR, NO				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
US 5041138	A	19910820	US 1989-339155	19890417
CA 2051663	AA	19901018	CA 1990-2051663	19900416
CA 2051663	C	19960806		
AU 9055568	A1	19901116	AU 1990-55568	19900416
AU 635025	B2	19930311		
EP 469070	A1	19920205	EP 1990-907835	19900416
EP 469070	B1	19960911		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
JP 04505717	T2	19921008	JP 1990-507077	19900416
JP 06006155	B4	19940126		
AT 142511	E	19960915	AT 1990-907835	19900416
ES 2095252	T3	19970216	ES 1990-907835	19900416
CA 2031532	AA	19901026	CA 1990-2031532	19900425
WO 9012604	A1	19901101	WO 1990-US2257	19900425

W: AU, CA, FI, JP, KR, NO
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL,

AU 9055691	A1	19901116	AU 1990-55691	19900425
AU 636346	B2	19930429		
EP 422209	A1	19910417	EP 1990-907948	19900425
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
JP 04501080	T2	19920227	JP 1990-507248	19900425
JP 3073766	B2	20000807		
AT 119787	E	19950415	AT 1990-907948	19900425
ES 2072434	T3	19950716	ES 1990-907948	19900425
JP 10263070	A2	19981006	JP 1998-69123	19900425
PRIORITY APPLN. INFO.:			US 1989-339155	19890417
			US 1986-933018	19861120
			US 1987-123579	19871120
			US 1989-343158	19890425
			WO 1990-US2091	19900416
			JP 1990-507248	19900425
			WO 1990-US2257	19900425

AB A system for growing a cartilaginous structure comprises a biocompatible matrix in a nutrient environment and chondrocyte cells attached to the matrix. The matrix is structured to provide free exchange of nutrients and waste to the attached cells in the absence of vascularization and formed of a biodegradable material or a combination of biodegradable and nondegradable materials. Optionally, the cells are proliferated in vitro until an adequate cell vol. develops for the cells to survive and proliferate in vivo. One advantage of the matrix is that it can be cast or molded into a desired shape, so that the final product closely resembles a patient's own ear or nose. Examples are provided showing the growth of hyaline cartilage for joint relinings, the growth of elastic cartilage for reconstructive replacement of cartilage structures and repair of large bone defects.

L9 ANSWER 96 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1991:171343 CAPLUS
DOCUMENT NUMBER: 114:171343
TITLE: Surgical barrier manufacture from polymers for gingival tissues
INVENTOR(S): Lundgren, Dan
PATENT ASSIGNEE(S): Procordia Oratech AB, Swed.
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9007308	A1	19900712	WO 1989-SE746	19891222
W: DK, JP, NO, US				
RW: AT, BE, CH, DE, ES, FR, GB, IT, LU, NL, SE				
EP 449941	A1	19911009	EP 1990-901082	19891222
EP 449941	B1	19940302		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
JP 03505684	T2	19911212	JP 1990-501541	19891222
JP 06083713	B4	19941026		
AT 101994	E	19940315	AT 1990-901082	19891222
ES 2049971	T3	19940501	ES 1990-901082	19891222
NO 9102439	A	19910621	NO 1991-2439	19910621
NO 177035	B	19950403		
NO 177035	C	19950726		
DK 171525	B1	19961223	DK 1991-1220	19910621
WO 9403121	A1	19940217	WO 1993-SE657	19930805
W: AU, CA, FI, JP, NO, US				

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, MC, NL, PT, SE
EP 773750 A1 19970521 EP 1994-906779 19930805
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
US 5700479 A 19971223 US 1994-337652 19941110
PRIORITY APPLN. INFO.: SE 1988-4641 19881223
EP 1990-901082 19891222
WO 1989-SE746 19891222
US 1991-689236 19910618
US 1992-926604 19920805
WO 1993-SE657 19930805

AB Biodegradable polymers are used to manuf. a barrier for controlled tissue regeneration on the healing process of gingival tissues after periapical surgery. The barrier can also be used to control bone fill of cavities after fraction. The polymers include polydesoxazon, polyhydroxy butyric acid, hydroxybutyric acid-hydroxyvaleric acid copolymer, succinic acid ester polymer, etc. The barrier is at least partially made of nonbiodegradable polymer, polyurethane, polytetrafluoroethylene, and polyesters.

L9 ANSWER 97 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1990:624587 CAPLUS
DOCUMENT NUMBER: 113:224587
TITLE: Method and pharmaceutical compositions for inhibiting postsurgical adhesion formation by the topical administration of nonsteroidal anti-inflammatory drug
INVENTOR(S): Sheffield, Warren D.; Johns, Douglas B.; Shalaby, Shalaby W.; DiZerega, Gere S.; Richer, LeRoy L.
PATENT ASSIGNEE(S): Ethicon, Inc., USA
SOURCE: U.S., 13 pp. Cont.-in-part of U.S. Ser. No. 900,122, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4937254'	A	19900626	US 1988-148464	19880126
IN 166447	A	19900512	IN 1986-CA787	19861028
CA 1292946	A1	19911210	CA 1986-523793	19861125
AU 8665709	A1	19870604	AU 1986-65709	19861126
AU 587299	B2	19890810		
JP 62155223	A2	19870710	JP 1986-279915	19861126
JP 07098755	B4	19951025		
ZA 8608964	A	19880727	ZA 1986-8964	19861126
US 4937254	B1	19920811	US 1991-90002377	19910625

PRIORITY APPLN. INFO.: US 1985-802545 19851127
US 1986-900122 19860825
US 1988-148464 19880126

AB Postsurgical adhesion formation is inhibited by topical administration to the site of surgical trauma of a nonsteroidal anti-inflammatory drug, preferably ibuprofen, suprofen, tolmetin, or a pharmaceutically acceptable ester or salt thereof. Compns., e.g. phospholipid vesicles, contg. the above drugs are described. Thus, to a prepd. aq. egg phosphatide dispersion was added sufficient lactic acid to convert tolmetin Na salt to the free acid form when mixed with the dispersion just prior to use. The compn. was evaluated using a rabbit uterine horn model for adhesion development. Using a graded adhesion rating scale, the above compn. inhibited adhesions more effectively than a control compn. A soln. of lactide-glycolide (65:35) copolymer 9.39, sesame seed oil 0.75, and

ibuprofen 1.140 g [redacted]40 mL CH2Cl2 was emulsified wit[redacted]400 mL 5% aq. poly(vinyl alc.), CH2Cl2 was removed under vacuum, a[redacted] the emulsion was dild. to 800 mL with water and centrifuged to provide microcapsules which were freeze-dried.

L9 ANSWER 98 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1990:185867 CAPLUS
DOCUMENT NUMBER: 112:185867
TITLE: Biodegradable, osteogenic, bone graft substitute
INVENTOR(S): Brekke, John H.
PATENT ASSIGNEE(S): Osmed, Inc., USA
SOURCE: Brit. UK Pat. Appl., 32 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2215209	A1	19890920	GB 1988-11274	19880512
GB 2215209	B2	19920826		
JP 01232967	A2	19890918	JP 1988-174831	19880712
JP 2820415	B2	19981105		
			US 1988-167370	19880314

PRIORITY APPLN. INFO.:
AB A biodegradable device for facilitating healing of structural voids in bone comprises: (a) a biodegradable polymer constituting a hydroxy acid (e.g., polylactic or polyglycolic acid), (b) a chemotactic substance disposed throughout spaces in the polymer (e.g., **hyaluronic acid**, fibronectin, or collagen), and (c) a biol. active or therapeutic substance (e.g., bone morphogenetic protein or bone-derived growth factor). The device constituents are integrated into a single body member which, when implanted into a bone defect, has the capacity to restore functional architecture and mech. integrity, initiate osteoinduction and osteogenesis, and maintain the biol. processes of bone formation and remodeling while the host organism is simultaneously biodegrading the body member.

L9 ANSWER 99 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1990:84203 CAPLUS
DOCUMENT NUMBER: 112:84203
TITLE: Manufacture of slow-release pharmaceutical microgranules
INVENTOR(S): Machida, Minoru; Arakawa, Masayuki
PATENT ASSIGNEE(S): Chugai Pharmaceutical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01156912	A2	19890620	JP 1988-234758	19880921
JP 2837675	B2	19981216		
			JP 1987-236248	19870922

PRIORITY APPLN. INFO.:
AB The title pharmaceuticals contain biodegradable and biocompatible polymers (e.g. polylactic acid), pharmacol. active substances, and natural polysaccharides (e.g. chitin). The pharmacol. active substances are insol. or sparingly sol. org. compds., proteins, or peptides. Thus, dl-lactic acid-glycolic acid copolymer in methylene chloride-n-propanol

was mixed with gra[redacted]ocyte colony-stimulating factor[redacted] the same solvent system. To this wa[redacted] added 1% **hyaluronic acid** to for[redacted] microspheres (particle size <100 .mu.m).

L9 ANSWER 100 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1990:21999 CAPLUS
DOCUMENT NUMBER: 112:21999
TITLE: Composite apatite fiber moldings and their manufacture
INVENTOR(S): Egawa, Kazufumi; Mori, Shoichi; Yoshizawa, Masao
PATENT ASSIGNEE(S): Toa Nenryo Kogyo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01124684	A2	19890517	JP 1987-278200	19871105

AB The title moldings are manufd. by impregnating apatite fiber moldings in a soln. of org. polymers which are compatible to organisms, and then freeze drying. Kneading powd. Pellulan (mol. wt. 20 .times. 104) 9, hydroxy apatite (particle size 5-80 nm) 42, disperser (org. carboxylate surfactant) 1, and H2O 48%, degassing, spinning through a 0.3-mm nozzle, heating under the nozzle with IR ray to remove moisture, blowing to a new drum, and calcining at 1100.degree. for 1 h produced cotton-like fibers with av. diam. 5 .mu.m and basis wt. 200 g/m2. The cotton-like fibers (3 g) were soaked in 0.3% aq. collagen and freeze dried giving a molding retaining the softness and the shape.

L9 ANSWER 101 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1989:484083 CAPLUS
DOCUMENT NUMBER: 111:84083
TITLE: Sustained-release microspheres containing a biodegradable polymer and a compound of sugar origin for subcutaneous administration
INVENTOR(S): Machida, Minoru; Arakawa, Masayuki
PATENT ASSIGNEE(S): Chugai Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 263490	A2	19880413	EP 1987-114584	19871006
EP 263490	A3	19900516		
EP 263490	B1	19950104		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
JP 63091325	A2	19880422	JP 1986-237027	19861007
JP 07025689	B4	19950322		
AU 8779404	A1	19880414	AU 1987-79404	19871006
AU 608250	B2	19910328		
CA 1315200	A1	19930330	CA 1987-547960	19871006
ES 2068810	T3	19950501	ES 1987-114584	19871006
US 4853226	A	19890801	US 1987-105887	19871007
PRIORITY APPLN. INFO.:			JP 1986-237027	19861007

AB Particulate pharmaceutical sustained-release formulations contain a biodegradable polymer, a pharmaceutically active agent, and a

high-mol.-wt. compd. of sugar origin or its deriv. 5% soln. contg. DL-lactic acid-glycolic acid copolymer (75:25, mol. 2000) in 200 mL 4:1 vol./vol. CH2Cl2/PrOH was mixed with a suspension of 2.5 mg freeze-dried granulocyte colony-stimulating factor (I) in 50 mL MeOH. The resulting mixt. was added to 1000 mL 1% aq. **hyaluronic acid** at 40.degree. and the mixt. was emulsified to produce I-contg. microspheres. After filtration, microspheres were dried to give a white powder with particle size .ltoreq.100 .mu.m. I at 10 .mu.g as microspheres was administered s.c. to rats and the level of blood neutrocytes was equiv. to that resulting from the administration of 2.5 .mu.g I in an aq. soln.

L9 ANSWER 102 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1988:624750 CAPLUS
DOCUMENT NUMBER: 109:224750
TITLE: Immobilization of agrochemicals, pharmaceuticals and other materials on a solid surface
INVENTOR(S): Kumabe, Kiyoshi; Kuroiwa, Isamitsu
PATENT ASSIGNEE(S): Kity K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63059378	A2	19880315	JP 1986-199925	19860828

AB Active ingredient powders are dispersed in a mixt. of film-forming substances, gel materials and coagulating substances and immobilized on the surface of a solid. A powder contg. gibberellin A3 0.05, corn starch 77.2, Mg stearate 1.2, sorbitan esters 0.6, casein 4.0, Na alginate 7.0, and Ca lactate 10.01 wt.% was sprayed to the grape flower 3 days after flowering. The application was labor-saving and efficient.

L9 ANSWER 103 OF 103 CAPLUS COPYRIGHT 2001 ACS
ACCESSION NUMBER: 1988:119019 CAPLUS
DOCUMENT NUMBER: 108:119019
TITLE: An artificial lens, and a method and apparatus for manufacturing the lens
PATENT ASSIGNEE(S): Swedish Graphite Technic AB, Swed.
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62217958	A2	19870925	JP 1986-276865	19861121
AU 8665577	A1	19870528	AU 1986-65577	19861120
AU 595843	B2	19900412		
PRIORITY APPLN. INFO.:			SE 1985-5518	19851122

AB An artificial lens is described, in which at least its outside membrane is comprised of a virtually H2O-insol. biocompatible material capable of giving the region for growing a natural lens tissue and decompg. in vivo. Methods for manufg. the lens are also described. An app. for manufg. the lens is comprised of the following: (1) an injector for contg. a 1st liq. lens material; (2) an outside-film component which is connected to the injector and comprised of a 2nd lens material; and (3) a means of sepg.

the outside-film component after filling the component with the 1st material. A lens was comprised of an outside membrane of Vicryl, and crosslinked **hyaluronic acid** in the membranes.

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	233.16	248.18
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-60.56	-60.56

STN INTERNATIONAL LOGOFF AT 14:57:23 ON 03 JAN 2001